

This listing of claims will replace all prior version, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A hard disk ~~drive~~ mounting hub for mounting a disk having opposite parallel faces between a disk outside diameter and a coaxial disk inside diameter defining a central opening therethrough, wherein said disk mounting hub comprises:

a cylindrical hub body defining a hub outside diameter disposed along a central axis;

a cylindrical disk mounting member disposed coaxial with said central axis at one end of said body, defining the mounting member inside diameter extending proximally from said one end of said body, and sized to be received through said disk opening, and;

a coaxial hub face extending about said mounting member, said coaxial hub face defining a ~~truncated~~ conical surface of revolution symmetrical about said central axis, that is disposed at an oblique hub ~~conning~~ face angle Ω relative to said central axis.

2. (Currently amended) The ~~hard~~ disk mounting hub of claim 1, wherein: said disk mounting hub receives said disk mounted perpendicular to said hub central axis and fitted with said disk inside diameter around said mounting member inside diameter with one disk face proximal and adjacent to said coaxial hub face.

3. (Currently amended) The ~~hard~~ disk mounting hub of claim 2, wherein: a suitable clamping force F is applied toward said coaxial hub face from said opposite disk face over an interior central portion of said opposite disk face.

4. (Currently amended) The hard disk drive mounting hub of claim 3, wherein: said interior central portion of said disk bends toward ~~essentially conical contiguity with~~ said ~~truncated~~ conical ~~hub face~~ surface of said coaxial hub face at said oblique hub ~~conning~~ face angle Ω and away from parallel to the remaining exterior portion of said disk, while said remaining exterior

portion of said disk remains disposed within an acute disk conning angle limit Φ_{\min} relative to a perpendicular to said central axis.

5. (Currently amended) The hard disk drive mounting hub of claim 1, wherein said oblique hub face angle Ω is selected to form a hub face having a concave conical surface contour.

6. (Withdrawn)

7. (Currently amended) The disk mounting hub of claim 1, in which said disk mounting hub comprises at least one hub material materials selected from the group consisting of aluminum and steel.

8. (Currently amended) The disk mounting hub of claim 3,

wherein said disk attaches to said disk mounting hub by applying in which said clamping force F is applied through a clamp adapter to say said opposite disk-face of said disk by a clamping member attached to said hub mounting member.

9. (Currently amended) The disk mounting hub of claim 8, in which said hub mounting clamp member includes an axial acting spring member between a disk contact end in contact with said opposite disk surface and a rigid base end mounted to said hub mounting member at its extreme proximal end wherein said clamp adapter member is arranged to exert said clamping force F on said disk surface toward said disk mounting hub.

10. (Currently amended) A hard disk drive having a disk clamp for fixing at least one disk mounted on a drive spindle by application of distributed axial compressive force F directed against one side of said at least one disk on said spindle, said axial force F distributed circumferentially and radially around said disk spindle, including: said a disk mounting hub of Claim 1, comprising:

~~a rigid cylindrical hub body defining a hub outside diameter disposed along a central axis;~~
~~a cylindrical disk mounting member disposed coaxial with said central axis at one end of~~
~~said body, defining a coaxial member inside diameter extending proximally from said one end of~~
~~said body, said member inside diameter sized to be received through said disk opening;~~
~~a coaxial hub face extending about said mounting member, said hub face defining a~~
~~truncated conical surface of revolution symmetrical about said axis, that is disposed at an oblique~~
~~hub conning angle Ω relative to said axis.~~

11. (Currently amended) The hard disk drive of claim 10, wherein:

~~said disk mounting hub receives said at least one mounted disk perpendicular to said hub~~
~~central axis and fitted with disk inside diameter said disk opening around said cylindrical disk~~
~~mounting member inside diameter with one disk face of said faces proximal and adjacent to said~~
~~coaxial hub face.~~

12. (Currently amended) The hard disk drive of claim 11, wherein: a ~~distributed~~ clamping force F is applied and distributed toward said coaxial hub face from said an opposite of said disk face over an interior central portion of said opposite disk face.

13. (Currently amended) The hard disk drive of claim 12, wherein: said interior central portion of said disk bends toward ~~essentially conical contiguity with said truncated conical~~
~~surface of said coaxial hub face surface at said oblique hub conning face angle Ω and away from~~
~~parallel planarity with the remaining exterior portion of said disk, while said remaining exterior~~
~~portion of said disk remains disposed within an acute disk conning angle limit Φ_{min} relative to a~~
~~perpendicular to said central axis.~~

14. (Currently amended) The hard disk drive of claim 10, wherein said oblique hub face angle Ω is selected to form a said coaxial hub face having a concave conical surface contour.

15. (Withdrawn)

16. (Currently amended) The hard disk drive of claim 10, in which said disk mounting hub comprises materials at least one hub material selected from the group consisting of aluminum and steel.

17. (Currently amended) The hard disk drive of claim 10, further including:

said disk attached to said disk mounting hub by applying in which said clamping force F through a clamp adapter is applied to said opposite disk face of said disk by a clamping member attached to said hub mounting member.

18. (Currently Amended) The hard disk drive of claim 117, in which wherein said hub-mounting-clamp adapter-member includes an axial acting spring member between a disk contact end in contact with said opposite disk surface and a rigid base end mounted to said hub mounting member at its extreme proximal end wherein said clamp member is arranged to exert said clamping force F on said disk surface opposite face toward said disk mounting hub.

19. (Withdrawn)

20. (Withdrawn)

21. (Withdrawn)

22. (Withdrawn)

23. (Withdrawn)

24. (Withdrawn)

25. (Withdrawn)